

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		((piezo\$2electric\$4 or elasto\$4resist\$4) with (key or button))	US-PGPUB; USPAT	OR	ON	2006/04/10 18:01
L15	1	S29 and and digital and control\$4 and RAM and ROM	US-PGPUB; USPAT	OR	ON	2006/04/14 14:12
L16	42	four\$4way\$4scroller	US-PGPUB; USPAT	OR	ON	2006/04/14 15:33
L17	7	multi\$4switch\$4.ab.	US-PGPUB; USPAT	OR	ON	2006/04/14 15:33
S1	72184	16 and controller	US-PGPUB; USPAT	OR	ON	2006/04/14 15:33
S2	5037	piezo\$1electric\$3 or elastoresist\$6 and (keypad or keyboard)	US-PGPUB; USPAT	OR	ON	2005/03/28 17:01
S3	658	((piezo\$1electric\$3 or elastoresist\$6) and (keypad or keyboard)) and ((mobile or cellular) with (phone or telephone))	US-PGPUB; USPAT	OR	ON	2004/08/04 14:13
S4	4	(("5946636") or ("5311175") or ("5982304") or ("5926119")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/04 14:37
S5	0	(((piezo\$1electric\$3 or elastoresist\$6) and (keypad or keyboard)) and ((mobile or cellular) with (phone or telephone))) and procesor	US-PGPUB; USPAT	OR	ON	2004/08/04 14:37
S6	476	(((piezo\$1electric\$3 or elastoresist\$6) and (keypad or keyboard)) and ((mobile or cellular) with (phone or telephone))) and processor	US-PGPUB; USPAT	OR	ON	2004/08/04 14:37
S7	458	(((piezo\$1electric\$3 or elastoresist\$6) and (keypad or keyboard)) and ((mobile or cellular) with (phone or telephone))) and processor) and input	US-PGPUB; USPAT	OR	ON	2004/08/04 14:37
S8	359	((((piezo\$1electric\$3 or elastoresist\$6) and (keypad or keyboard)) and ((mobile or cellular) with (phone or telephone))) and processor) and input) and output	US-PGPUB; USPAT	OR	ON	2004/08/04 14:40

## EAST Search History

S9	82	(((((piezo\$1electric\$3 or elastoresist\$6) and (keypad or keyboard)) and ((mobile or cellular) with (phone or telephone))) and processor) and input) and output) and deform\$4	US-PGPUB; USPAT	OR	ON	2004/08/04 14:49
S10	545	(341/176).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/04 14:51
S11	175	((341/176).CCLS.) and (keypad or keyboard)	US-PGPUB; USPAT	OR	ON	2004/08/04 14:51
S12	5	((341/176).CCLS.) and (keypad or keyboard)) and (piezo\$1electric\$3 or elastoresist\$6)	US-PGPUB; USPAT	OR	ON	2004/08/04 14:51
S13	13	((341/176).CCLS.) and (piezo\$1electric\$3 or elastoresist\$6)	US-PGPUB; USPAT	OR	ON	2004/08/04 14:51
S14	2	(AMINEH near2 ROMEL).in.	US-PGPUB; USPAT	OR	ON	2004/08/11 17:03
S15	1	intra\$1changeable and (keypad or keyboard)	US-PGPUB; USPAT	OR	ON	2004/08/11 17:03
S16	1	intra\$1changeable with (keypad or keyboard)	US-PGPUB; USPAT	OR	ON	2004/08/11 17:04
S17	201	(piezo\$1electric\$3 or elastoresist\$6) with (keyboard or keypad)	US-PGPUB; USPAT	OR	ON	2004/08/12 17:23
S18	1	("5805664").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 19:17
S19	79521	(cellular or mobile) with (telephone or phone)	US-PGPUB; USPAT	OR	ON	2004/08/12 17:25
S20	2225	((cellular or mobile) with (telephone or phone)) and (piezo\$1electric\$3 or elastoresist\$6)	US-PGPUB; USPAT	OR	ON	2004/08/12 17:27
S21	1145	(((cellular or mobile) with (telephone or phone)) and (piezo\$1electric\$3 or elastoresist\$6)) and display\$4	US-PGPUB; USPAT	OR	ON	2004/08/12 17:27
S22	984	(((cellular or mobile) with (telephone or phone)) and (piezo\$1electric\$3 or elastoresist\$6)) and display\$4) and indicat\$4	US-PGPUB; USPAT	OR	ON	2004/08/12 17:30
S23	74	((((cellular or mobile) with (telephone or phone)) and (piezo\$1electric\$3 or elastoresist\$6)) and display\$4) and indicat\$4) and (available with feature)	US-PGPUB; USPAT	OR	ON	2004/08/12 17:46

## EAST Search History

S24	1	("6700508").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 17:46
S25	0	(("6700508").PN.) and elasto\$1resistive	US-PGPUB; USPAT	OR	ON	2004/08/12 17:46
S26	3708	((341/27,176,22,34) or (455/566, 567)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/20 09:50
S27	152	(((341/27,176,22,34) or (455/566, 567)).CCLS.) and piezo\$1electric\$2	US-PGPUB; USPAT	OR	ON	2004/08/20 09:50
S28	5957	(cellular with phone) and digital and control\$4 and RAM and ROM	US-PGPUB; USPAT	OR	ON	2005/03/28 17:02
S29	1611	(cellular with phone).ab.	US-PGPUB; USPAT	OR	ON	2005/03/28 17:02
S30	170	S29 and digital and control\$4 and RAM and ROM	US-PGPUB; USPAT	OR	ON	2005/03/28 17:05
S31	1	S30 and piezo\$1electric\$4	US-PGPUB; USPAT	OR	ON	2005/03/28 17:05
S32	3	(("4396149") or ("5053774") or ("4683904")).PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 18:57
S33	2	(("6032053") or ("6700508")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/12 13:47
S34	1	("6700508").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 16:39
S35	0	S34 and digital	US-PGPUB; USPAT	OR	ON	2005/09/13 16:39
S36	0	S34 and digit	US-PGPUB; USPAT	OR	ON	2005/09/14 15:09
S37	1	("6012015").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/14 15:09
S38	1	("6817412").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/14 15:09
S39	1761	(cellular with phone).ab.	US-PGPUB; USPAT	OR	ON	2005/09/19 01:09
S40	34	S39 and piezo\$2electric\$4	US-PGPUB; USPAT	OR	ON	2005/09/19 01:09
S41	25	S40 and digit\$4	US-PGPUB; USPAT	OR	ON	2005/09/19 01:16
S42	709	(cellular with phone).ti.	US-PGPUB; USPAT	OR	ON	2005/09/19 01:23
S43	2	nokia.ab.	US-PGPUB; USPAT	OR	ON	2005/09/19 01:25
S44	0	"455"/\$.clss.	US-PGPUB; USPAT	OR	ON	2005/09/19 01:26

## EAST Search History

S45	68209	"455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/09/19 01:26
S46	1761	(cellular with phone).ab.	US-PGPUB; USPAT	OR	ON	2005/09/19 01:26
S47	891	S45 and S46	US-PGPUB; USPAT	OR	ON	2005/09/19 01:35
S48	34	(cellular with phone).ab. and piezo\$2electric\$4	US-PGPUB; USPAT	OR	ON	2005/09/19 01:36
S49	234	piezo\$2electric\$4 with (keyboard or keypad)	US-PGPUB; USPAT	OR	ON	2005/09/19 01:36
S50	20	S49 and (cellular with phone)	US-PGPUB; USPAT	OR	ON	2005/09/19 01:52
S51	1	("6700508").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/19 01:55
S52	1	S51 and keyboard	US-PGPUB; USPAT	OR	ON	2005/09/19 02:10
S53	1	"4412210".PN.	USPAT; USOCR	OR	ON	2005/09/19 01:55
S54	1	"4521712".PN.	USPAT; USOCR	OR	ON	2005/09/19 01:55
S55	1	"4677600".PN.	USPAT; USOCR	OR	ON	2005/09/19 01:58
S56	1	"4857887".PN.	USPAT; USOCR	OR	ON	2005/09/19 01:58
S57	1	"4975616".PN.	USPAT; USOCR	OR	ON	2005/09/19 01:58
S58	1	"5189390".PN.	USPAT; USOCR	OR	ON	2005/09/19 01:58
S59	1	"5850194".PN.	USPAT; USOCR	OR	ON	2005/09/19 02:00
S60	1	"5982304".PN.	USPAT; USOCR	OR	ON	2005/09/19 02:00
S61	1	("6747981").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/19 02:18
S62	1	("6396839").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/19 02:18
S63	62	(cellular same keypad same display).ab.	US-PGPUB; USPAT	OR	ON	2005/09/19 08:02
S64	1	("5987317").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/19 08:02
S65	0	S64 and RAM	US-PGPUB; USPAT	OR	ON	2005/09/19 08:02
S66	0	S64 and (read with only)	US-PGPUB; USPAT	OR	ON	2005/09/19 10:34

## EAST Search History

S67	1	("6798353").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/19 10:35
S68	16	(input with option) same piezo\$2electric\$4	US-PGPUB; USPAT	OR	ON	2006/04/10 17:54
S69	1007	((piezo\$2electric\$4 or elasto\$4resist\$4) with (key or button))	US-PGPUB; USPAT	OR	ON	2006/04/10 18:01
S70	23563	"341"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/10 18:01
S71	48	S69 and S70	US-PGPUB; USPAT	OR	ON	2006/04/10 18:15
S72	1	("5212473").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/10 19:31
S73	88	(341/17).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/10 19:36
S74	0	S73 and (piezo\$2electric\$4 or elasto\$2resist\$4)	US-PGPUB; USPAT	OR	ON	2006/04/10 19:31
S75	304	(341/34).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/10 19:36
S76	61	S75 and (piezo\$2electric\$4 or elasto\$2resist\$4)	US-PGPUB; USPAT	OR	ON	2006/04/11 09:19
S77	322	(341/23).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/11 15:04
S78	17	S77 and ((characteristic or property or appearance) with chang\$4)	US-PGPUB; USPAT	OR	ON	2006/04/11 09:20
S79	1	("5818361").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/11 15:04
S80	0	S79 and RAM	US-PGPUB; USPAT	OR	ON	2006/04/11 15:04
S81	0	S79 and (random with access)	US-PGPUB; USPAT	OR	ON	2006/04/11 15:33
S82	1	("7020493").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/11 15:33
S83	1	S82 and RAM	US-PGPUB; USPAT	OR	ON	2006/04/11 16:34
S84	1158	laptop.ab.	US-PGPUB; USPAT	OR	ON	2006/04/11 16:34
S85	197	S84 and RAM	US-PGPUB; USPAT	OR	ON	2006/04/11 16:35
S86	148	S85 and ROM	US-PGPUB; USPAT	OR	ON	2006/04/11 16:35
S87	1404	(341/22).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/14 14:13

## EAST Search History

S88	0	S87 and elasto\$4resist\$4	US-PGPUB; USPAT	OR	ON	2006/04/14 14:13
S89	0	S87 and elasto\$1resist\$4	US-PGPUB; USPAT	OR	ON	2006/04/14 14:13
S90	12	elasto\$2resist\$4	US-PGPUB; USPAT	OR	ON	2006/04/14 14:13